

Electronic Supplementary Material

Investigation of the genotype III to genotype I shift in Japanese encephalitis virus and the impact on human cases

Na Han^{3,4}, James Adams², Wei Fang², Si-Qing Liu², Simon Rayner^{1,2}✉

1. Department of Medical Genetics, Oslo University Hospital, Oslo 0271, Norway
2. State Key Laboratory of Virology, Wuhan Institute of Virology, Chinese Academy of Sciences, Wuhan 430071, China
3. State Key Laboratory for Infectious Diseases Prevention and Control, National Institute for Communicable Disease Control and Prevention, Chinese Center for Disease Control and Prevention, Beijing 102206, China
4. Collaborative Innovation Center for Diagnosis and Treatment of Infectious Diseases, Hangzhou 310003, China

Supporting information to DOI 10.1007/s12250-015-3621-4

Table S1. List of Chinese papers.

Year	City, province	Genotype	Strain	Serum conversion rate/Vaccine coverage	Reference	PubMed ID	English title	Journal name
1990-2007	Inner Mongolia	-	-	-	1950-2007年内蒙古自治区流行性乙型脑炎流行病学特征分析	none	Epidemiology of Japanese encephalitis in inner Mongolia, 1950-2007	Diseases Surveillance
1976-2007	Yunnan	-	-	-	1976-2007年云南省流行性乙型脑炎流行病学特征分析	none	Analysis of Epidemiological Characteristics of Japanese Encephalitis in Yunnan Province from 1976 to 2007	Endemic Diseases Bulletin
1990-2003	Guangxi	-	-	6.22%	1990-2003年广西流行性乙型脑炎流行病学分析	none	Epidemiological features of epidemic Japanese encephalitis in Guangxi Province from 1990 to 2003	Guangxi Prev Med
1997-2004	Guizhou	-	-	-	1997-2004年贵州省流行性乙型脑炎病例流行病学分析及控制策略	none	Preventive Control Strategy and Epidemiological Analysis on Japanese Encephalitis in Guizhou Province During 1997-2004	Chin J Vector Bio & Control
2000-2009	Hefei, Anhui	-	-	-	2000-2009年合肥市流行性乙型脑炎流行病学分析	none	Epidemiology of Japanese encephalitis in Hefei, 2000-2009	Disease Surveillance
2004-2005	Guangxi	-	-	8.19%	2004-2005年广西流行性乙型脑炎流行病学分析	none	Epidemiological analysis of epidemic Japanese encephalitis in Guangxi Province from 2004 to 2005	Applied Prev Med
2005-2009	Luoyang, Henan	-	-	13.90%	2005-2009年洛阳市流行性乙型脑炎流行病学特征分析	none	Analysis of the epidemic characteristics of Japanese encephalitis in Luoyang from 2005 to 2009	J Med Pest Control
2007-2010	HeBei	-	-	20.63%	2007-2010年河北省流行性乙型脑炎流行病学特征分析	none	Analysis on the epidemic characteristics of Japanese encephalitis in Hebei Province from 2007 to 2010	J Med Pest Control
2009	Jiangxi	I型	JX0903	-	2009年江西省新分离流行性乙型脑炎病毒株全基因组分子生物学特性研究	none	Molecular characteristics of full-length genome of Japanese encephalitis virus strain(JX0939) newly isolated in Jiangxi province	Diseases Surveillance
2010	Fujian	I型	FJ-JY-10-73	-	2010年福建省流行性乙型脑炎病毒监测	none	Genotype I Japanese encephalitis virus is the main genotype in mosquito in Fujian province	Chinese J Exp Clin Virol
2005-2009	Fujian	-	-	25.95%	福建省2005-2009年流行性乙型脑炎流行病学分析	none	The epidemiological analysis of epidemic Japanese encephalitis in 2005-2009 years in Fujian Province	Chin J Dis Control Prev

1990-2000	Guangdong	-	-	-	广东省1990-2000年流行性乙型脑炎流行情况分析	none	Epidemiological analysis of epidemic Japanese encephalitis between 2005 and 2009 years in Guangdong Province	Guangdong Journal of Health and Epidemic Prevention
1990-2006	Guangxi	-	-	< 40%	广西1992-2006年流行性乙型脑炎流行特征分析	none	Analysis of prevalent features of epidemic encephalitis B in Guangxi from 1992 to 2006	CHINA TROPICAL MEDICINE
2004-2008	Guangxi	-	-	-	广西2004-2008年流行性乙型脑炎流行特征分析	none	Analysis on the epidemic characteristics of Japanese B encephalitis in Guangxi Zhuang Autonomous Region in 2004~2008	CHINA TROPICAL MEDICINE
2006	Beiliu, Guangxi	I型	-	-	广西北流市分离到基因I型流行性乙型脑炎病毒	none	Isolation of genotype I Japanese encephalitis virus in Beiliu, Guangxi	Diseases Surveillance
1990-2003	Guangxi	-	-	2.04%	广西壮族自治区1990-2003年流行性乙型脑炎流行情况分析	none	Analysis of the epidemiological characteristics of epidemic encephalitis B between 1990 to 2003 in Guangxi Province, Zhuang autonomous region	Chinese Primary Health Care
2002-2010	Guangzhou, Guangdong	-	-	79.55%	广州市2002-2010年流行性乙型脑炎流行病学分析	none	Epidemiological analysis of Japanese B encephalitis in Guangzhou from 2002 to 2010	J Med Pest Control
1952-2007	Guizhou	-	-	34.80%	贵州省1952-2007年流行性乙型脑炎流行情况分析	none	EPIDEMIOLOGICAL ANALYSIS OF THE JAPANESE ENCEPHALITIS DURING 1952 TO 2007 IN GUIZHOU	Modern Preventive Medicine
2004-2008	Guizhou	-	-	79.83%	贵州省2004-2008年流行性乙型脑炎流行特征分析	none	THE EPIDEMIC CHARACTERISTIC ANALYSIS ON THE JAPANESE B ENCEPHALITIS IN GUIZHOU PROVINCE DURING THE YEARS OF 2004-2008	Modern Preventive Medicine
2000-2004	Hebei	-	-	-	河北省2000-2004年流行性乙型脑炎流行病学特征分析	none	Analysis on Japanese B Encephalitis in Hebei Province During 2000—2004	Chinese Journal of Vaccines and Immunization
1971-2003	Henan	-	-	-	河南省流行性乙型脑炎疫情及防制现状与对策	none	Outbreak of epidemic encephalitis b in Henan province and implementation of prevention and countermeasures	Henan J Prev Med

1951-2006	Hubei	-	41.20%	湖北省1951-2006年流行性乙型脑炎流行特征分析	none	Epidemiological features of epidemic Japanese encephalitis in Hubei in 1951~2006.	CHINA TROPICAL MEDICINE
1951-2000	Hunan	-	-	湖南省50年来流行性乙型脑炎流行病学分析	none	Epidemiological analysis of epidemic encephalitis B in Hunan province during the past 50 years	Chin J Dis Control Prev
1995-2006	Jiangxi	-	-	江西省1995-2006年流行性乙型脑炎流行病学分析	none	Epidemiological analysis of Japanese encephalitis b from 1995 to 2006 in Jiangxi province	江西医药
2002-2005	Shanghai	I型和III型	-	两种基因型流行性乙型脑炎病毒在上海市共同流行	none	Co-prevalence of two genotypes of Japanese encephalitis virus in Shanghai, China	Chin J Vector Biol & Control
1991-2010	Inner Mongolia	-	99.29%	内蒙古自治区1991-2010年流行性乙型脑炎	none	Analysis on the epidemiological characteristics of Japanese encephalitis from 1991 to 2010 in Inner Mongolia Autonomous Region	Chin J Vector Biol & Control
2008	Shandong	I型	SD08-10	山东省首次分离出基因I型流行性乙型脑炎病毒	20077734	Isolation and Identification of Japanese Encephalitis Virus Firstly in Shandong Province	CHINESE JOURNAL OF VACCINES AND IMMUNIZATION
1960-2004	Shanxi	-	-	陕西省1960-2004年流行性乙型脑炎流行病学特征分析	none	analysis of the Epidemic Characteristics of Japanese B Encephalitis in Shanxi Province During 1960-2004	Chinese Journal of Vaccines and Immunization
2004	Sichuan	-	-	四川省2004年流行性乙型脑炎流行特征分析	none	Analysis on the epidemiological characteristics of encephalitis B in Sichuan in 2004	Modern Preventive Medicine
2002	Sichuan	-	61.17%	四川省2002年流行性乙型脑炎监测	none	The Surveillance of Japanese Encephalitis in Sichuan Province in 2002	Chinese Journal of Vaccines and Immunization
1952-2003	Sichuan	-	-	四川省流行性乙型脑炎流行特征分析	none	Japanese encephalitis virus detected in Culex pipiens pallens for the first time in Tianjin	J Prev Med Inf
2010	Tianjin	I型	HQ718463	天津市首次从淡色库蚊检测出基因I型流行性乙型脑炎病毒	none	Japanese encephalitis virus detected in Culex pipiens pallens for the first time in Tianjin	Chin J Vector Biol & Control
1995-2004	Zhejiang	-	92.66%	浙江省1995-2004年流行性乙型脑炎流行病学特征分析	none	Epidemiologic Analysis of Japanese B Encephalitis in Zhejiang Province During 1995-2004	Chinese Journal of Vaccines and Immunization

2009-2010	Zhejiang	I型	ZJIO-07, ZJ10-10, ZJ10-23, ZJ10-45, ZJ09-52, ZJ09-108	浙江省部分地区2009-2010 年蚊媒中乙型脑炎病毒分 子流行病学特征研究	22575117	Study on the molecular charac- teristics of Japanese encephali- tis virus living in vector mosqui- toes in Zhejiang province 2009- 2010	Chin J Epidemiol
2007	Yunnan	I型	TC07018, TC07172	云南新分离2株基因I型流 行性乙型脑炎病毒的全基 因组序列分析	none	Full-genome sequencing analy- sis of two strains of Japanese encephalitis virus isolated from Yunnan, China	Chin J Viral Dis
2007	-	I型	HEN0701	猪源乙型脑炎病毒HEN0701 株全基因组的分子特征	none	Molecular characterization of complete genome of Japanese encephalitis virus HEN0701 strain isolated from swine	Chinese Veterinary Science
1988	Wuhan, Hubei	-	HW	猪乙脑病毒 HW 株的全基 因组克隆及分析	none	Cloning and Analysing of Complete cDNA of Japanese Encephalitis Virus of HW Strain	Journal of Huazhong Agricultural University
1991	Yunnan	-	HB ₃₄	首次从家燕分离到1株乙型 脑炎病毒	none	The First Isolation and Identi- fication of Encephalitis B Virus from <i>Hirundo rustica</i> in Yunnan Province	Endemic Diseases Bulletin
2008	Shandong	-	SD08-10	山东省新分离乙脑病毒 (SD08-10株)全基因组序 列特征	20108762	Molecular characterization of full-length genome of Japanese Encephalitis virus(SD08-10) newly isolated in Shandong province	Chin J Exp Clin Virol
2006-2009	Jiangsu	-	-	江苏省自然人群乙型脑炎 抗体血清学监测	none	Sero-epidemiological Survey of Japanese Encephalitis in Natural Population of Jiangsu Province	Practical Preventive Medicine